

AIC P. 109 # 3; 4 y 5 (1^{er} y 2^{da} columna)

$$\begin{aligned}\# 3 d) & 3214 + 1726 + 2026 \\ &= (3214 + 1726) + 2026 \\ &= 4940 + 2026 \\ &= 6966\end{aligned}$$

$$\begin{aligned}3g) & -1\frac{1}{2} + 2\frac{1}{5} - 1\frac{3}{5} \\ &= \left(-\frac{3}{2}\right) + \left(+\frac{4}{5}\right) + \left(-\frac{8}{5}\right) \\ &= \left[\left(-\frac{3}{2}\right) + \left(-\frac{8}{5}\right)\right] + \left(+\frac{4}{5}\right) \\ &= \left[\left(-\frac{15}{10}\right) + \left(-\frac{16}{10}\right)\right] + \left(+\frac{4}{5}\right) \\ &= -\frac{31}{10} + \frac{4}{5} \\ &= -\frac{31}{10} + \frac{22}{10} \\ &= -\frac{9}{10}\end{aligned}$$

$$\begin{aligned}e) & -3,2 - 6,8 - 1,2 \\ &= (-3,2) + (-6,8) + (-1,2) \\ &= [(-3,2) + (-6,8)] + (-1,2) \\ &= (-10) + (-1,2) \\ &= -11,2\end{aligned}$$

$$\begin{aligned}3h) & 2\frac{1}{3} - \frac{3}{5} - 1\frac{2}{5} \\ &= \frac{4}{3} - \frac{3}{5} - \frac{7}{5} \\ &= \left(+\frac{35}{15}\right) + \left(-\frac{9}{15}\right) + \left(-\frac{21}{15}\right) \\ &= +\left(+\frac{35}{15}\right) + \left[\left(-\frac{9}{15}\right) + \left(-\frac{21}{15}\right)\right] \\ &= \left(+\frac{35}{15}\right) + \left(-\frac{30}{15}\right) \\ &= \frac{5}{15} \\ &= \frac{1}{3}\end{aligned}$$

P. 109 # 4

$$4a) \quad 47 - 18 - 3 + 18$$

$$= (+47) + (-18) + (-3) + (+18)$$

$$= [(+47) + (+18)] + [(-18) + (-3)]$$

$$= (+65) + (-21)$$

$$= +44$$

ó otra opción de agrupamiento

$$= [(+47) + (-3)] + [(-18) + (+18)]$$

$$= +44 + 0$$

$$= 44$$

$$4b) \quad 83 - 47 + 17 - 13$$

$$= 83 + (-47) + (+17) + (-13)$$

$$= [83 + (+17)] + [(-47) + (-13)]$$

$$= (+100) + (-60)$$

$$= 40$$

p. 109 # 4

$$4d) -0,4 + 0,72 - 0,6 - 1,72$$

$$= (-0,4) + (+0,72) + (-0,6) + (-1,72)$$

$$= (+0,72) + [(-0,4) + (-0,6) + (-1,72)]$$

$$= (+0,72) + [(-1) + (-1,72)]$$

$$= (+0,72) + (-2,72)$$

$$= -2$$

$$4e) -0,8 - \frac{5}{6} + 1,2 + 3$$

$$= (-0,8) + \left(-\frac{5}{6}\right) + (+1,2) + (+3)$$

$$= [(-0,8) + (+1,2)] + \left(-\frac{5}{6}\right) + (+3)$$

$$= (+0,4) + \left(-\frac{5}{6}\right) + (+3)$$

$$= \left(+\frac{4}{10}\right) + \left(-\frac{5}{6}\right) + \left(+\frac{3}{1}\right)$$

$$= \left(+\frac{12}{30}\right) + \left(-\frac{25}{30}\right) + \left(+\frac{90}{30}\right)$$

$$= +\frac{77}{30} \quad | = 2\frac{17}{30}$$

p. 109 # 4 y 5

$$\begin{aligned} 4g) \quad & 21,4 - 65 + 5,2 + 6,4 \\ &= (21,4 + 5,2 + 6,4) + (-65) \\ &= (+33) + (-65) \\ &= -32 \end{aligned}$$

$$\begin{aligned} 4h) \quad & -86 + 27,3 - 14,3 - 37 \\ &= (-86) + (-37) + (+27,3) + (-14,3) \\ &= (-123) + (+13) \\ &= -110 \end{aligned}$$

$$\begin{aligned} 5a) \quad & 234 + 451 - 334 - 172 + 38 - 51 \\ &= (+234) + (+451) + (-334) + (-172) + (+38) + (-51) \\ &= [(+234) + (+451) + (+38)] + [(-334) + (-172) + (-51)] \\ &= (+723) + (-551) \\ &= +166 \end{aligned}$$

P. 109 # 4 y 5

$$\begin{aligned} 56) & (-123) + (+87) + (+113) + (-65) + (+323) + (-30) \\ &= [(+87) + (+113) + (+323)] + [(-123) + (-65) + (-30)] \\ &= (+523) + (-218) \\ &= +305 \end{aligned}$$

$$\begin{aligned} \text{Jc)} \quad & 34,83 - 12,66 + 3,71 - 12,58 - 9,44 \\ &= 34,83 + 3,71 + (-12,66 - 12,58 - 9,44) \\ &= 38,54 + (-34,68) \\ &= +16 \end{aligned}$$

$$\begin{aligned} \text{5d)} \quad & 23,91 - 239,1 + 2391 - 23,07 - 199 \\ &= 23,91 + 239 + (-239,1 - 23,07 - 199) \\ &= 262,91 + (-461,17) \\ &= -198,26 \end{aligned}$$

$$\begin{aligned} \text{Se)} \quad & \frac{8}{25} - \frac{1}{5} + \frac{4}{25} - \frac{3}{5} + \frac{13}{25} \\ &= \left(\frac{8}{25} + \frac{4}{25} + \frac{13}{25} \right) + \left(-\frac{1}{5} - \frac{3}{5} \right) \\ &= \frac{25}{25} + \left(-\frac{4}{5} \right) \\ &= \frac{25}{25} + \left(-\frac{20}{25} \right) \qquad = \frac{5}{25} \\ &\qquad \qquad \qquad = \frac{1}{5} \end{aligned}$$

P. 109 #5

$$5f) \quad \frac{5}{12} + \frac{1}{3} - \frac{3}{5} + \frac{2}{3} - \frac{7}{12}$$

$$= \frac{5}{12} - \frac{7}{12} + \frac{1}{3} + \frac{2}{3} - \frac{3}{5}$$

$$= \left(+\frac{5}{12}\right) + \left(-\frac{7}{12}\right) + \left(+\frac{1}{3}\right) + \left(+\frac{2}{3}\right) + \left(-\frac{3}{5}\right)$$

$$= \left(-\frac{2}{12}\right) + \left(+\frac{3}{3}\right) + \left(-\frac{3}{5}\right)$$

$$= \left(-\frac{1}{6}\right) + \left(+\frac{3}{3}\right) + \left(-\frac{3}{5}\right)$$

$$= \left(-\frac{5}{30}\right) + \left(+\frac{30}{30}\right) + \left(-\frac{18}{30}\right)$$

$$= \left[\left(-\frac{5}{30}\right) + \left(-\frac{18}{30}\right)\right] + \left(+\frac{30}{30}\right)$$

$$= \left(-\frac{23}{30}\right) + \left(+\frac{30}{30}\right)$$

$$= +\frac{7}{30} //$$